

*Castelaria*, and *Stenostomum* (2). There is a synopsis of the species of *Chamaecrista* in the West Indies (31 spp.); of the Cuban genus *Leucocroton* (7 spp.); of *Passiflora* in Cuba (21 spp.); and of *Rondeletia* in Cuba (35 spp.).

DECANDOLLE,<sup>17</sup> in a study of specimens of Meliaceae from Central America and Panama sent by the United States National Museum, has described 9 new species in *Guarea* and 2 in *Trichilia*.

HEDGCOCK and HUNT<sup>18</sup> have described 5 new species of *Peridermium* on pine needles in the eastern United States.

KERN,<sup>19</sup> in a monograph of the North American "sedge rusts," recognizes 19 species of *Puccinia*, 3 of which are described as new.

PENNELL,<sup>20</sup> in continuing his studies of our southern plants, has presented the genus *Chamaecrista* as represented in the United States. He recognizes 13 species, which include 3 new species and 2 new combinations.

WAGER<sup>21</sup> has published a list of the mosses of South Africa, which for the first time brings together all the known mosses of South Africa. The list includes 846 species in 160 genera, representing 37 families. The names of 27 new species, representing 23 genera, are also included, one of the genera (*Physcomitrellopsis*) being new. These will be described and published later.

WILLIAMS,<sup>22</sup> in reporting the mosses obtained on a collecting trip in the Philippine Islands, extending from October 1903 to August 1905, lists 240 species in 118 genera. Of these, 27 species and 3 genera (*Rhabdoweisiella*, *Pseudopohlia*, *Stereodontopsis*) are described as new.—J. M. C.

**Endosperm color in maize.**—In crosses between California Golden Pop maize and a white endosperm variety obtained from HAAGE and SCHMIDT under the name *Zea Caragua*, WHITE<sup>23</sup> finds white dominant. These results are interpreted by assuming the presence of an endosperm suppression factor *A* in the *Zea Caragua* in addition to the usual color factor *y*. This new primary factor affecting endosperm color raises the number of such factors to three; in addition there are numerous secondary factors.—E. M. EAST.

<sup>17</sup> DECANDOLLE, C., *Meliaceae Centrali-Americanae et Panamenses*. *Smithson. Miscell. Coll.* 68:no. 6. pp. 8. 1917.

<sup>18</sup> HEDGCOCK, GEO. G., and HUNT, N. REX, *New species of Peridermium*. *Mycologia* 9:239-242. 1917.

<sup>19</sup> KERN, FRANK D., *North American species of Puccinia on Carex*. *Mycologia* 9:205-238. 1917.

<sup>20</sup> PENNELL, FRANCIS W., *Notes on plants of the southern United States. III.* *Bull. Torr. Bot. Club* 44:337-362. 1917.

<sup>21</sup> WAGER, H. A., *A check list of the mosses of South Africa*. *Publ. Transvaal Museum, Pretoria.* pp. 20. 1917.

<sup>22</sup> WILLIAMS, ROBERT S., *Philippine mosses*. *Bull. N.Y. Bot. Garden* 8:331-378. pls. 171-174. 1917.

<sup>23</sup> WHITE, ORLAND E., *Inheritance of endosperm color in maize*. *Amer. Jour. Botany* 4:396-406. 1917.